| NODIS Library | Program Management(8000s) | Search |



NPR 8580.1

Effective Date: November 26, 2001 Expiration Date: November 26, 2008

COMPLIANCE IS MANDATORY

Printable Format (PDF)

Subject: Implementing The National Environmental Policy Act And Executive Order 12114

Responsible Office: Environmental Management Division

| TOC | Preface | Chp1 | Chp2 | Chp3 | Chp4 | Chp5 | Chp6 | Chp7 | Chp8 | Chp9 | Chp10 | Chp11 | Chp12 | Chp13 | AppdxA | AppdxB | AppdxC | AppdxD | AppdxE | AppdxF | AppdxG | AppdxH | AppdxI | AppdxJ | AppdxL | ALL |

APPENDIX I. Record Of Environmental Consideration And Environmental Evaluation Checklist Examples

Appendix I provides examples of record of considerations REC's and environmental evaluation checklists. With issuance of this NPR, any reference made to NHB 8800.11 is superseded.

I-1 Record of Environmental Consideration Examples

RECORD OF ENVIRONMENTAL CONSIDERATION

- 1. Description and location of proposed action:
- 2. Anticipated date and/or duration of proposed action:
- 3. It has been determined that the above action (choose one):
 - a. Is adequately covered in an existing EA, EIS, entitledand dated.
 - b. Qualifies for Categorical Exclusion # 7, paragraph 305 (d)
 NHB 8800.11 (Table 2.3) NASA NEPA Guidelines, and has no special circumstances which would suggest a need for an Environmental Assessment.
 - c. Is exempt from NEPA requirements under the provisions of (cite superseding law):
 - d. Has no environmental impact as indicated by the results of an Environmental Analysis Checklist and/or a detailed Environmental Analysis. (Attach Checklist and/or Environmental Analysis as applicable.)
 - e. Will require the preparation of an Environmental Assessment.
- 4. Actions to be coordinated with Code DQH: [Lists actions, e.g.: Air permits, if required; Use and disposal of CFCs; Asbestos abatement; Lead paint abatement; Hazardous materials use and storage; PCB handling and disposal); Storm water permits; Confined space entry; Sampling and disposal of contaminated soil and/or groundwater; Chemical use and storm water runoff for sprinkler use; Radiography; Compliance with Migratory Bird Treaty Act; Compliance with NASA's standard for lifting devices and equipment]
- Actions to be coordinated with Code JFF: [List of actions, e.g.: Section 106 Historic Review]

(Environmental Program Manager, DQH)

Date:

[cc's to Project Managers and EMO staff]

RECORD OF ENVIRONMENTAL CONSIDERATION

THIS SECTION TO BE FILLED OUT BY PROJECT MANAGER

1. Description Of Proposed Project And Alternatives (DOPAA).

2.	Purpose and need for action.
3.	Anticipated date and/or duration of proposed action.
4.	Cost of proposed action.
	Project total =
SI Pr	GNED: Org. Code oject Manager
NE	Α
	CORD OF ENVIRONMENTAL CONSIDERATION (REC)
	DJECT:
	FOLLOWING WILL BE COMPLETED BY THE OEP
5.	It has been determined that the above action:
a.	Is adequately covered in an existing EAEIS entitled and dated .
b.	Qualifies for categorical exclusion # , 14 CFR 1216.305, and has no special circumstances which would suggest a need for an environmental assessment.
C.	Is exempt from NEPA requirements under the provisions of.
d.	Has no environmental impact as indicated by the results of an Environmental Analysis Checklist and/or a detailed Environmental Analysis. (Attach Checklist or Environmental Analysis as applicable).
e.	Will require an Environmental Assessment.
f.	Will require an Environmental Impact Statement.
g.	Will include mitigation, as described:
	SIGNED:
	DATE:
	(Chief, Office of Environmental Programs)
RE® Pur Eva	This project has been assigned to, at extension, as the contact person within the Office of Environmental Programs. 001 ENVIRONMENTAL CORD OF CONSIDERATION PROJECT: 1005e: 101ation: 101ct 101ct
Det	ermination: This action is categorically exempt from further environmental assessment based on the information provided in the project description. If there are
cha	rimilation. This action is categorically exempt from future environmental assessment based on the information provided in the project description. If there are ages to the siting or other aspects of the project then this document is invalidated and the action will be reassessed.
Pr	CONCUR Dject Officer NONCONCUR DATE:

Environmental Coordinator CONCUR NONCONCUR DATE: 2 Environmental Evaluation Checklist Examples NEPA Environmental Checklist (R&D Projects)								
Project N			Date of Selection:	(
Project C	ontact:		Project Start Date:					
Building	Number and Locatio	n:	Telephone Number:					
Descripti	Description of Project:							
Environmen	-							
		ct to prepare an E	Environmental Assessment or c			1		
A. Geold	ogic:			Yes	Maybe	No		
a.	Greater than 10 % features?	% change in top	ography or ground surface	relief				
b.	site?		osion of soils, either on or o					
C.	Changes in depo wetlands or bay?	sition, siltation, 	or erosion that may modify	the				
Exp	lain all "yes" and "may	/be" answers:						
B. Air:				Yes	Maybe	No		
a.	Substantial air emiss quality?		ation of ambient air					
b.	The creation of object	ctionable odors?	?					
C.	Alteration of air move climate, either locally		e, temperature, or any chan	iges in				
Expla	ain all "yes" and "mayb	e" answers:						
		e" answers:						
Expla		e" answers:		Yes	Maybe	No		
				Yes	Maybe	No		
C. Water	Disturbance of ground	dwater?anges in absorp	tion rates, drainage patterr		Maybe	No		
C. Water	Disturbance of ground Greater than 10% cha rate and amount of su Alter the course or flo	dwater? anges in absorp urface runoff? w of flood wate	tion rates, drainage patterr	ns, or the	Maybe	No		
C. Water	Disturbance of ground Greater than 10% charate and amount of su Alter the course or flo Alteration of the direct	dwater? anges in absorp urface runoff? w of flood wate tion or rate of g	tion rates, drainage patterr	ns, or the		No		
C. Water a. b. c.	Disturbance of ground Greater than 10% charate and amount of su Alter the course or flo Alteration of the direct Change in the quantit	dwater? anges in absorp urface runoff? w of flood wate tion or rate of g y of ground wat gh interception o	tion rates, drainage patterr	ns, or the		No		
C. Water a. b. c. d.	Disturbance of ground Greater than 10% charate and amount of su Alter the course or flo Alteration of the direct Change in the quantit withdrawals, or througexcavations?	dwater?	rs? round waters? ers, either through direct arof an aquifer by cuts or	ns, or the		No		
C. Water	Creater than 10% charate and amount of su Alter the course or flo Alteration of the direct Change in the quantity withdrawals, or througexcavations?	dwater?	round waters?tion rates, drainage patterr	ns, or the		No		
C. Water a. b. c. d. e. f. g.	Disturbance of ground Greater than 10% charate and amount of su Alter the course or flo Alteration of the direct Change in the quantit withdrawals, or througexcavations?	dwater? anges in absorp urface runoff? w of flood wate tion or rate of g y of ground wat gh interception of changes of grea ore than 35,100 ther activity in a	round waters?tion rates, drainage patterr	ns, or the		No		
C. Water a. b. c. d. e. f. g.	Creater than 10% charate and amount of su Alter the course or flo Alteration of the direct Change in the quantite withdrawals, or through excavations?	dwater? anges in absorp urface runoff? w of flood wate tion or rate of g y of ground wat gh interception of changes of grea ore than 35,100 ther activity in a	round waters?tion rates, drainage patterr	ns, or the		No		
C. Water a. b. C. d. e. f. g. Explain.	Creater than 10% charate and amount of su Alter the course or flo Alteration of the direct Change in the quantit withdrawals, or throug excavations?	dwater? anges in absorp urface runoff? w of flood wate tion or rate of g y of ground wat gh interception of changes of grea ore than 35,100 ther activity in a	round waters?tion rates, drainage patterr	ns, or the				
C. Water a. b. C. d. e. f. g. Explain.	Disturbance of ground Greater than 10% charate and amount of su Alter the course or flo Alteration of the direct Change in the quantit withdrawals, or througexcavations?	dwater? anges in absorp urface runoff? w of flood wate tion or rate of g y of ground wat gh interception of changes of grea ore than 35,100 ther activity in a	round waters?tion rates, drainage patterr	ns, or the				
C. Water a. b. C. d. e. f. g. Explain.	Creater than 10% charate and amount of sulfater the course or floound Alteration of the direct Change in the quantite withdrawals, or througexcavations? Activities resulting in potable water use (magallons/year)? Any construction or owetland? Any construction or owetland? Any and "maybour all "yes" and "maybour all "yes" and "maybour all "ges" and "maybour all Resources:	dwater? anges in absorpurface runoff? w of flood water tion or rate of ground water than 35,100 ther activity in a me" answers:	rs? round waters? ters, either through direct and a quifer by cuts or ater than 10 percent of Cen 1,000	dditions or				
C. Water a. b. C. d. e. f. g. Explain.	Creater than 10% charate and amount of sure and amount of the direct change in the quantite withdrawals, or throug excavations? Activities resulting in potable water use (magallons/year)? Any construction or owetland? Any construction or owetland? Any construction or owetland?	dwater? anges in absorpurface runoff? w of flood water tion or rate of ground water tion or rate of ground water thanges of greatore than 35,100 ther activity in a	rers, either through direct arof an aquifer by cuts or ater than 10 percent of Cen 1,000	dditions or				

E	xplain all "yes" and "maybe" answers:			
E. Bi	ological Resources:	Yes	Maybe	No
a.	Construction/grading/filling within or adjacent to designated wetlands?			
b.	Reduction of the numbers of any rare, or endangered species?			Ī
C.	Construction/grading/filling within open space or grasslands areas?			
d.	Introduction of new species or plants into an area, or impacts the nor replenishment of existing species?	mal		
e.	Proposed construction activities in burrowing owl habitat?			
f.	Propose new landscaping or modify existing landscaping?			
E	xplain all "yes" and "maybe" answers:			
F. No	ise:	Yes	Maybe	No
а	A noise increase greater than 10% from an existing operation?			
b		\equiv		
C	Increase existing CNEL noise contours surrounding the airfield or Ames?			
E	xplain all "yes" and "maybe" answers:			
G. La	nd Use:	Yes	Maybe	No
a.	Substantial alteration of the present or planned land use?			
b.	Increase in the rate of use of any natural resource?			
C.	Activities resulting in changes of greater than 10 percent of Center energy consumption (15,000,000 kWh of office electricity, 15,000,000 kWh wind tunnel electricity, or 382,000 therms of natural gas)?	0		
d.	Activities resulting in a change in total employment levels greater that percent (More than 620 people)?	n 10		
E	xplain all "yes" and "maybe" answers:			
H. He	alth and Safety:	Yes	Maybe	No
a.	Generation of ionizing or nonionizing radiation?			
b.	Generate any air emissions?			
C.	Use of pesticides, including insecticides, herbicides, fungicides or rodenticides?			
d.	Confined space entry?			
e.	Risk of exposure to asbestos or lead containing materials?			
f.	Result in the exposure or disturbance of contaminated soil or ground			
	water? Generate industrial waste water or storm water		ШШ	

h.	Use of Class I ozone depleting substances (CFCs, TCA, halons)?			
i.	Acquisition, use, or storage of any toxic or hazardous substance?			
j.	Generation of medical (biohazard), hazardous, toxic, or radiological wastes?			
k.	Use, disturbance or disposal of PCBs?			
I.	Use of toxic gas?			
Ехр	lain all "yes" and "maybe" answers:			
I. Trans	portation/Circulation:	Ye	s Maybe	No
a.	Generation of substantial vehicle trips (over 620 per day)?			
b.	Affect existing parking facilities or demand for new parking?			
C.	Substantial impact upon existing transportation systems?			
d.	Increase in traffic hazards to motor vehicles, bicyclists, or pedestrians?			
Ехр	lain all "yes" and "maybe" answers:			
J. Serv	ices:	Ye	s Maybe	No
a.	Affect or result in need for new or altered government-provided fire protection services?			
b.	Affect or result in need for new or altered government-provided sec services?	urity		
Ехр	lain all "yes" and "maybe" answers:			
K. Envi	ronmental Justice:	Ye	s Maybe	No
a.	Does the project have the potential to disproportionately affect low income populations or minority populations?	,		
Ехр	lain all "yes" and "maybe" answers:			
EPA Envi	ronmental Checklist (Facilities Projects)			
Project	Name: Current Date:			
Project	Contact: Project Start Date:			
	Number and Location: Telephone Number:			
	tion of Project:			
	ntal Impacts: nses may require the project to prepare an Environmental Assessment or cond	uct ad	ditional stud	lies.
A. Geo	logic:	Yes	Maybe	No
a.	Greater than 10 % change in topography or ground surface relifeatures?	ef		
b.	Any increase in wind or water erosion of soils, either on or off site?	٦H		
C.	Changes in deposition, siltation, or erosion that may modify the wetlands or bay?			

Air: Yes Maybe	5 1						
a. Substantial air emissions or deterioration of ambient air quality?		Λir:		Voc	Ma	vho	Nic
quality?	2.	AII.		163	lvia	ybe	IAC
C. Alteration of air movement, moisture, temperature, or any changes in climate, either locally or regionally? Explain all "yes" and "maybe" answers: Disturbance of groundwater? D. Greater than 10% changes in absorption rates, drainage patterns, or the rate and amount of surface runoff? C. Alter the course or flow of flood waters? d. Alteration of the direction or rate of ground waters? e. Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations? f. Activities resulting in changes of greater than 10 percent of Center total potable water use (more than 35,100,000 gallons/year)? g. Any construction or other activity in a floodplain or wetland? Explain all "yes" and "maybe" answers: Cultural Resources: Q. Cultural Resources: Q. Will the project located in an historic district or effects an existing landmark? D. Older? C. Is the project located in an area of suspected archaeological resources? Explain all "yes" and "maybe" answers: Explain all "yes" and "maybe" answers: D. Reduction of the numbers of any rare, or endangered species? C. Construction/grading/filling within open space or grasslands areas? d. Introduction of new species or plants into an area, or impacts the normal replenishment of existing species? e. Proposed construction activities in burrowing owl		a.					
Explain all "yes" and "maybe" answers:		b.	The creation of objectionable odors?				
Water: Water: Yes Maybe		C.		in			
a. Disturbance of groundwater?		Expl	ain all "yes" and "maybe" answers:				
a. Disturbance of groundwater?		-					
D. Greater than 10% changes in absorption rates, drainage patterns, or the rate and amount of surface runoff?		Wate	r:	Yes	Ma	ybe	N
rate and amount of surface runoff?	7	a.	Disturbance of groundwater?				1
d. Alteration of the direction or rate of ground waters? e. Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations? f. Activities resulting in changes of greater than 10 percent of Center total potable water use (more than 35,100,000 gallons/year)? g. Any construction or other activity in a floodplain or wetland? Explain all "yes" and "maybe" answers: Cultural Resources: Yes Maybe a. Is the project located in an historic district or effects an existing landmark? b. Will the project alter a building that is 50 years or older? c. Is the project located in an area of suspected archaeological resources? Explain all "yes" and "maybe" answers: Explain all "yes" and "maybe" answers: b. Reduction of the numbers of any rare, or endangered species? c. Construction/grading/filling within open space or grasslands areas? d. Introduction of new species or plants into an area, or impacts the normal replenishment of existing species? e. Proposed construction activities in burrowing owl		b.		the			
e. Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations?		C.	Alter the course or flow of flood waters?				
withdrawals, or through interception of an aquifer by outs or excavations?		d.	Alteration of the direction or rate of ground waters?				
potable water use (more than 35,100,000 gallons/year)?		e.	withdrawals, or through interception of an aquifer by cuts or	ons or			
Explain all "yes" and "maybe" answers:		f.	potable water use (more than 35,100,000	otal			
Cultural Resources: Yes Maybe		g.					
Cultural Resources: Yes Maybe	=	Expl	ain all "ves" and "maybe" answers:				
a. Is the project located in an historic district or effects an existing landmark?	_		анган усэ ана шауыс анэмсгэ.				
a. Is the project located in an historic district or effects an existing landmark?			ani an yes and maybe answers.				
landmark? b. Will the project alter a building that is 50 years or older?				Vos	May	vhe	
c. Is the project located in an area of suspected archaeological resources?	3			Yes	Ma	ybe	[
resources? Explain all "yes" and "maybe" answers: Yes Maybe]	Cultu	Iral Resources:	Yes	Ma	ybe	
Biological Resources: Construction/grading/filling within or adjacent to designated wetlands? B. Reduction of the numbers of any rare, or endangered species? C. Construction/grading/filling within open space or grasslands areas? d. Introduction of new species or plants into an area, or impacts the normal replenishment of existing species? Proposed construction activities in burrowing owl	3	Cultu a.	Iral Resources: Is the project located in an historic district or effects an existing landmark?	Yes	Ma	ybe	
a. Construction/grading/filling within or adjacent to designated wetlands?	3 1	Cultu a. b.	Is the project located in an historic district or effects an existing landmark?	Yes	Mag	ybe	
a. Construction/grading/filling within or adjacent to designated wetlands?		a. b.	Is the project located in an historic district or effects an existing landmark?	Yes	Ma	ybe	
wetlands? b. Reduction of the numbers of any rare, or endangered species?		a. b.	Is the project located in an historic district or effects an existing landmark?	Yes	Ma	ybe	
species?		a. b. c.	Is the project located in an historic district or effects an existing landmark?				
d. Introduction of new species or plants into an area, or impacts the normal replenishment of existing species?		a. b. c.	Is the project located in an historic district or effects an existing landmark?				
replenishment of existing species? e. Proposed construction activities in burrowing owl		a. b. c. Expl. Biolo	Is the project located in an historic district or effects an existing landmark?				
		Cultu a. b. C. Expl. Biolo a. b.	Is the project located in an historic district or effects an existing landmark?				
nabitat?		Expl. Biolo a. b.	Is the project located in an historic district or effects an existing landmark?	Yes			
f. Propose new landscaping or modify existing landscaping?		Expl Biolo a. C. C.	Is the project located in an historic district or effects an existing landmark?	Yes			
Explain all "yes" and "maybe" answers:		Expl. Biolo a. C. C. Biolo a. c. c.	Is the project located in an historic district or effects an existing landmark?	Yes			

NPR 8580.1 -- TOC

Nois	se:			Yes	May	ybe	N
		a.	A noise increase greater than 10% from an exist operation?	sting			
		b.	Exposure of people to severe noise levels (abodBA)?	ve 80			
	imes New T, imes ">	C.	Increase existing CNEL noise contours surroun the airfield or Ames?	ding			
Exp	olain all "yes" and	l "ma	ybe" answers:				
-							
Lan	d Use:			Yes	May	ybe	N
a.	Substantial alt	eratio	on of the present or planned land use?				1
b.			of use of any natural				
C.	energy consur	nptio nel el	n changes of greater than 10 percent of Center n (15,000,000 kWh of office electricity, 15,000,00 ectricity, or 382,000 therms of natural	00			
d.			n a change in total employment levels greater the 620 people)?	an 10			
Ext	olain all "yes" and	l "ma	ybe" answers:				
	, , , , , , , , , , , , , , , , , , , ,						
111-	Ith and O-f-t			IV-	NA -	. ما،	l le
пеа	Ith and Safety:			Yes	livia	ybe	
a.	Generation of	ionizi	ng or nonionizing radiation?				
b.	Generate any	air er	nissions?				
C.			ncluding insecticides, herbicides, fungicides or				
d.			ry?				
e.	Risk of exposumaterials?		asbestos or lead containing				
f.	Result in the e water?		ure or disturbance of contaminated soil or ground	i			
g.	discharge?						
h.	halons)?						
i.	substance?						
j.	wastes?						
k.			disposal of PCBs?				
l.	Use of toxic ga	as?					
Exp	olain all "yes" and	l "ma	ybe" answers:				
Tucr	onortotion/Circ	lotic	n.	Vas	N/ a	ıb.	I I E
ıran	sportation/Circu	ııatıo	III.	Yes	ıvıay	ybe	N
			tantial vehicle trips (over 620 per day)?				lΓ
a.	Generation of	subs	taritiai veriicie trips (over 020 per day):			I I	11.
		park	ing facilities or demand for new				
a.	Affect existing parking?	park pact	ing facilities or demand for newupon existing transportation				
a. b.	Affect existing parking? Substantial im systems?	park pact	ing facilities or demand for newupon existing transportation				

Explain all "yes" and "maybe" answers:	
J. Services:	Yes Maybe No
a. Affect or result in need for new or altered government-provided fire protection services? b. Affect or result in need for new or altered government-provided secuservices?	irity
Explain all "yes" and "maybe" answers:	
K. Environmental Justice:	Yes Maybe No
a. Does the project have the potential to disproportionately affect low income populations or minority populations?	
Explain all "yes" and "maybe" answers:	

JET PROPULSION LABORATORY ENVIRONMENTAL COMPLIANCE ANALYSIS (for EAO use only)

ID NUMBER: (for EAO use only)

TYPE OF PROPOSED ACTION:

FINAL STATUS:

- No further assessment required
- Conditionally exempt
- Environmental Impact Study

Required

Instructions

Indicate the effect on each appropriate attribute listed below. Additional attribute may be listed in the other sections.

"+" = positive effect
"o" = no effect
"-" = adverse effect

"u" = effect unknown

EARTH	+	0	-	u
Erosion (wind/water)				
Surface stability				
Agricultural lands				
WATER	+	0	-	u
Aquatic life				
Flow variation				
Aquifer yield				
Aesthetic properties and potential use of water				
Natural streams				
Chemical quality (wastewater, stormwater, run-off) (pH, DS, heavy metals, organics, etc.)				
Physical quality (wastewater, stormwater, run-off) (ss, oil, temp)				
Odors				
Toxic substances				
Particulates				
Air movement				

Permitting				
Other (SO _X , NO _X , CO, hydrocarbons, photochemical oxidants)	$\overline{\Box}$	\equiv	\Box	
BIOTICS	+	0	$\overline{\Box}$	u
Undisturbed natural areas			\Box	
Game animals and fish	一	\equiv	\Box	
Threatened and endangered species	一	\equiv	П	
Species balance	一	$\overline{}$	П	
RESOURCES	+	0	一	u
Fuel resource, consumption/conservation	一	\equiv	П	
Water consumption/conservation	$\overline{\Box}$		\Box	
Energy consumption/conservation	一	一	П	
RADIATION	+	0	一	u
lonizing radiation	$\overline{\Box}$		\Box	
Electromagnetic	\Box	$\overline{\Box}$	П	
Ultraviolet	\Box		\Box	
Lasers	一		\Box	
ACTIVITY/SYSTEMS	+	0	$\overline{-}$	u
Transportation/supply/demand			\Box	
Sewer sanitary	\Box			
Wastewater permitting (EPA categorical)	\Box		П	
Storm drainage (NPDES permitting)	$\overline{\Box}$		\Box	
LAND USE	+	0	-	u
Flood plain/wetlands				
Off-Lab land use			\Box	
On-Lab land use	\Box			
History/archeological areas	\Box		П	
Aesthetics	$\overline{\Box}$		\Box	
Access to Minerals	一		\Box	
SOCIO-ECONOMICS	+	0	$\overline{-}$	u
Population	$\overline{\Box}$		\Box	
Housing supply/demand	一		\Box	
Employment	\Box		П	
Commercial activities			\Box	
Industrial activities				
Cultural patterns				
Historic landmarks				
NOISE	+	0	-	u
On-Lab levels				
Off-Lab levels				
OTHER	+	0		u
Health & Safety				
Potential Wild Fire Hazard				
	\equiv		\equiv	
REMARKS:				

Name of EAO Environmental Engineer	

Signature	Date

Refer to: 95-038.FRC (rev 1/96)

NEPA Environmental Checklist

Project Contact:		Project Start Date:							
Building Number and Location:		Telephone Number:							
Description of Project:									
Environmental Impacts: "Yes" responses may require the project t	nvironmental Impacts: 'es' responses may require the project to prepare an Environmental Assessment or conduct additional studies.								
A. Geologic: Yes May									
Creater than 10 0/ a	hanna in tanana								
a. Greater than 10 % of features?	nange in topogr	aphy or ground surface reli	ет						
b. Any increase in wind site?	d or water erosic	on of soils, either on or off							
c. Changes in depositi wetlands or bay?	on, siltation, or ε	erosion that may modify the							
Explain all "yes" and "maybe	" answers:								
B. Air:			Yes	Maybe	No				
a. Substantial air emissior quality?	ns or deterioration	n of ambient air							
b. The creation of objection	nable odors?								
c. Alteration of air movem climate, either locally or		mperature, or any changes	in						
Explain all "yes" and "maybe"	answers:								
C. Water:			Yes	Maybe	No				
a. Disturbance of groundware	ater?								
b. Greater than 10% chang		rates, drainage patterns, c	r the						
c. Alter the course or flow				186	iH				
d. Alteration of the direction	າ or rate of grou	nd waters?							
e. Change in the quantity of withdrawals, or through excavations?	interception of a	, either through direct additi n aquifer by cuts or	ons or						
f. Activities resulting in chapotable water use (more gallons/year)?	than 35,100,00	than 10 percent of Center t	otal						
g. Any construction or othe wetland?	er activity in a flo	odplain or							
Explain all "yes" and "maybe"	answers:								
D. Cultural Resources:			Voc	Maybe	No				
D. Cultural Nesources.			163	Iviaybe	INO				
a. Is the project located in landmark?		ct or effects an existing							
b. Will the project alter a bolder?		years or							
c. Is the project located in resources?		ected archaeological							
Explain all "yes" and "maybe"	answers:								
E. Biological Resources:			Yes	Maybe	No				

Page 10 of 22

a.	Construction/grading/filling within or adjacent to designated wetlands?	
b.	Reduction of the numbers of any rare, or endangered species?	
C.	Construction/grading/filling within open space or grasslands areas?	
d.	Introduction of new species or plants into an area, or impacts the normal replenishment of existing species?	
e.	Proposed construction activities in burrowing owl habitat?	
f.	Propose new landscaping or modify existing landscaping?	
Expl	lain all "yes" and "maybe" answers:	
E Nais	Ved Marcha IV	
F. Noise	e: Yes Maybe N	lo
a.	A noise increase greater than 10% from an existing operation?	
b.	Exposure of people to severe noise levels (above 80 dBA)?	
C.	Increase existing CNEL noise contours surrounding the airfield or Ames?	
Expl	lain all "yes" and "maybe" answers:	
G. Land	d Use: Yes Maybe N	lo
	Cubatantial alteration of the present or planned land use?	_
a.	Substantial alteration of the present or planned land use?	
a. b.	Increase in the rate of use of any natural resource?	
	Increase in the rate of use of any natural	
b.	Increase in the rate of use of any natural resource?	
[b.] [c.] [d.]	Increase in the rate of use of any natural resource?	
[b.] [c.] [d.]	Increase in the rate of use of any natural resource?	
[b.] [c.] [d.]	Increase in the rate of use of any natural resource?	
d.	Increase in the rate of use of any natural resource?	
d. Expl	Increase in the rate of use of any natural resource?	lo
b. c. d. Expl	Increase in the rate of use of any natural resource?	lo
d. Expl	Increase in the rate of use of any natural resource?	io
b. c. d. Expl	Increase in the rate of use of any natural resource?	
b. C. d. Expl	Increase in the rate of use of any natural resource?	
b. C. d.	Increase in the rate of use of any natural resource?	io
b. c. d. H. Healt a. b. c.	Increase in the rate of use of any natural resource?	
b. c. d.	Increase in the rate of use of any natural resource?	
b. C. d.	Increase in the rate of use of any natural resource?	

NPR 8580.1 -- TOC

	j.	Generation of medical (biohazard), hazardous, toxic, or radi wastes?	iological					
	k.	Use, disturbance or disposal of PCBs?						
	Ехр	olain all "yes" and "maybe" answers:						
I. To	rans	sportation/Circulation:	Yes	3 [Maybe	ľ	No	
	a.	Generation of substantial vehicle trips (over 620 per day)?						
	b.	Affect existing parking facilities or demand for new parking?						
	C.	Substantial impact upon existing transportation systems?						
	d.	Increase in traffic hazards to motor vehicles, bicyclists, or pedestrians?						
	Ехр	olain all "yes" and "maybe" answers:						
J. S	Serv	ices:	Yes	s [Maybe	<u> </u>	Vo	
	a.	Affect or result in need for new or altered government-provi	ided fire	1	$\exists \top$	1	\exists	
	b.	Affect or result in need for new or altered government-provi	ided security		Π'n	Ī		
	Evn	lain all "yea" and "maybe" anguers:						
H	EXP	olain all "yes" and "maybe" answers:						
K	Fnvi	ironmental Justice:	Ve	e [Maybe		No	
				9	Maybe			
Ш	а.	Does the project have the potential to disproportionately a income populations or minority populations?	iffect low	L				
	Ехр	olain all "yes" and "maybe" answers:						
		Engineering Design - Env New Projects, Maintenance,	ironmental Che	ecl	dist for	8/9	3 ties	
Proje	ct:	• , ,	·					
Proje	ct Lo	ocation:						
Proje	ct D	escription:			•			
Point	of C	Contact:		•				
Phon	e: _	Date:						
Code	:	Mailstop:						
determ	ine i	construction, modification, renovation, repair, equipment chang if a negative environmental impact exists. If any response is a yes for assistance.	ge-out, and/or i s or maybe, ple	ma as	intenan e conta	ice ict t	activ	rity, please complete the following checklist to afety, Health & Environmental Quality Office
1.	Wi act	ill the construction, installation, YES NO tivation, change-out, or operation of e proposed project require the use of y chemicals?	MAYB	E				
•				-				

۷.	vviii any chemical or so than clean air) be vent into the atmosphere, s system, sewer system resources?	ed or discharged oil, stormwater	YES INU	WAYBE
3.	Will the project involve alteration, modification any of the following: (c	or maintenance of	YES NO	MAYBE
	a. fume hoods	b. industrial ovens	c. steam generators	
	d. boilers	e. exhaust fans	f. HVAC systems	
	g. scrubbers	h. vents	i. drains	
	j. piping	k. compressors	 cooling towers 	
	m. chillers	n. paint booths	o. diesel generators	
	p. AGE equipment	q. abrasive blasters	r. spray booths	
	s. plasma booths	t. incinerators	u. battery rooms	
	v. degreasers	w. chemical baths	x. other (specify)	

- Will the project require an environmental YES NO MAYBE permit? (circle all that apply)
 - a. Kern County (Desert) Air Pollution Control Permit
 - b. Lahontan Regional Water Quality Control Board Order
 - National Pollution Discharge Elimination System (NPDES) Permit

Will this project involve surface

a. dikes

- d. Department of Toxic Substances TSD Permit or RCRA Manifest
- preparation, paint removal or sandblasting of a facility or a large piece of equipment? MAYBE 6. Will the project produce new or increase YES NO the volume of industrial sanitary wastewater? 7. Will the project produce new or increase YES NO **MAYBE** the volume of stormwater runoff? Consider parking lots, aircraft aprons and paved surfaces. YES **MAYBE** 8. Will the project involve the construction NO of a new facility or new utilities? 9. Will the project involve installation, YES NO **MAYBE** alteration, renovation, modification or maintenance of any of the following: (circle all that apply)

YES

NO

MAYBE

d. septic tanks e. sewer lines f. sewer connections g. culverts h. water lines i. above ground tanks wells k. ponds I. underground tanks o. french drains m. comm lines n. sumps electrical q. separators r. storm drains lines s. seepage pits t. channels u. other (specify)

b. impoundments c. drainage ditches

5.

ΊU.	vviii the project require the use of groundwater supplies?	159	N∪	MAIRE
11.	Will the project require removal of vegetation, land clearing, land grading, filling, or excavation?	YES	NO	MAYBE
12.	Will there be any construction or other activities in a floodplain or wetland area?	YES	NO	MAYBE
13.	Will the project require use or generation of any radiation (ionizing or non-ionizing) source?	YES	NO	MAYBE
14.	Will the project require acquisition, use, generation, storage, or disposal of any hazardous or toxic materials or chemicals?	YES	NO	MAYBE
15.	Will the project generate high noise levels (above 80 dBA)?	YES	NO	MAYBE
16.	Will the project affect areas within or around significant historical or archaeological sites?	YES	NO	MAYBE
17.	Will the project affect sensitive wildlife habitat?	YES	NO	MAYBE
18.	Will there be any action which could or will affect any threatened or endangered species?	YES	NO	MAYBE
19.	Will the project require use of pesticides, including insecticides, herbicides, fungicides and rodenticides?	YES	NO	MAYBE
20.	Will the project requires removal of asbestos or PCB materials?	YES	NO	MAYBE
21.	Will the project generate hazardous, toxic or radiological waste?	YES	NO	MAYBE
22.	Is the project located on or near a Superfund Site?	YES	NO	MAYBE
23.	Will the project require installation or modification of fire protection or fire detection systems?	YES	NO	MAYBE
24.	Will the project have other issues which may pose an environmental impact?	YES	NO	MAYBE
25.	Will the project require submission of an Air Force Form 813 ?	YES	NO	MAYBE
26.	Does this project violate the Base Comprehensive Plan?	YES	NO	MAYBE
27.	Comments/Additional Information.	YES	NO	MAYBE

nπp://www-jj.ksc.nasa.gov/jj-α/programs/nepa/cneckist/cneckist.ntm or as seen below.

KSC ENVIRONMENTAL CHECKLIST INSTRUCTIONS

SECTION '

This section is to provide pertinent project information when the Checklist is to be retained in your files or submitted to the NASA Environmental Coordinator and forwarded to the JJ-D Natural Resources Program Office for review.

SECTION 2a

This section is to assist you in completing necessary actions that require basic environmental actions including reporting to regulatory agencies or NASA compliance. Please review each item carefully and follow these instructions completely. If you have any doubts about a particular item, please mark "YES" on the checklist, and complete the identified actions listed in these instructions. A "YES" mark in this section DOES NOT require the checklist to be submitted to the Environmental Program Office (EPO). You are responsible for completing the required actions and retaining this documentation.

a. Asbestos is a regulated material that can no longer be used in construction materials. If this project will disrupt (in any way) construction materials, an asbestos survey should be completed if one has not been done already. Contact EG&G Environmental Health at 867-2400 for a Support request. EG&G Environmental Health has completed a KSC-wide asbestos survey and the data is compiled on the KSC Environmental Health Asbestos Survey Data Home Page (www-boc1/asbestos/asb_home.htm). If you know that asbestos exists and will be disturbed, regulations from 62-257 F.A.C. must be followed. If less than 260 linear feet, or less than 160 square feet of regulated asbestos containing material (RACM) is to be removed, there are no fee or reporting requirements. If the removal trips these thresholds, or is greater than 1 cubic meter (if the project cannot be measured in linear or square feet), regulations require a notification (completed by EG&G) to FDEP. The Air Group within JJ-D Environmental Program Office must be copied on all reports submitted to FDEP.

b. If the project requires the installation, modification, removal or refurbishment of polychlorinated biphenyl (PCB) containing materials, proper labeling, storing, and disposal methods must be followed. For waste disposal, a process waste questionnaire (KSC Form 26-551 (3/82)) must be completed through the EG&G Waste Management Authority (867-8640). Please adhere to requirements identified in KHB's 8800.6 and 8800.7.

c. Use, storage, generation and/or disposal of hazardous, potentially hazardous, or toxic materials. For waste disposal, a process waste questionnaire (KSC Form 26-551 (3/82)) must be completed through the EG&G Waste Management Authority (867-8640).

d. If the project requires the installation, operation, maintenance, modification, upgrade, repair, closure, removal, including disposal of aboveground or underground storage tanks and associated systems that store regulated substances, the following actions are required:

Notification requirements: Verbal notification must be made to the NASA, EPO, JJ-D-1 (phone 867-4237), 14 days prior to the start of any work. NASA EPO will provide the required information regarding the work to be accomplished to Brevard County Tank and Natural Resources office.

General registration requirements: The Florida Administrative Code (FAC) 62-761.400 requires the owner (NASA) of any in-service or out-of-service or unmaintained storage tank system which has the capacity of greater than 110 gallons to register the storage tank system with the Department on Form 62-761.900(2). The form must be submitted to FDEP through the EPO, JJ-D-1, no later than 30 days after regulated substances are put into any new storage tank system. Any changes of status associated with storage tank systems will be identified, reported and submitted to the EPO, JJ-D-1 on Form 62-761.900.

e. If the project includes generation or use (excluding microwave ovens) of ionizing or nonionizing radiation, the equipment involved must be reviewed and approved by the KSC Radiation Protection Officer at 867-4237.

SECTION 2b

This section is to assist you in providing the detailed information necessary to provide a complete assessment of regulatory and nonregulatory environmental requirements associated with your project. Please review each item carefully and provide all information requested. All packages must include a project description, detailed location maps, and complete project drawings or sketches. If you have any doubts about a particular item, please mark "YES" on the checklist, provide as much information as you can, and it will be reviewed completely.

f. Air emissions can occur either directly (i.e., stacks, vents, fuel generators, etc.) or indirectly (i.e., painting, sandblasting). Include in the project description, details of the type of direct or indirect emission associated with this project. If chemicals are used that are included in the emission in any way, list them and the amounts to be used in the project description.

g. Ozone Depleting Chemicals (ODC) are now regulated under the Clean Air Act. A list of all ODC's can be found in regulation 40 CFR Part 82. In addition, Hazardous Air Pollutants (HAP's) must also be identified as an air emission. This list of 189 pollutants can be found in regulation 62-210.200 F.A.C. Please include any of these chemicals or pollutants in the project description.

h. The listed facilities are either listed or eligible historic properties as defined by regulation and all activities or "undertakings" on these properties must be reviewed to determine the effects on the property. The regulatory definition of an "Undertaking" (36 CFR Part 800.2) is "any project, activity, or program that can result in changes in the character or use of historic properties, if any such historic properties are located in the area of potential effects. The project, activity, or program must be under the direct or indirect iurisdiction of a Federal agency or licensed or assisted by a Federal agency. Undertakings include new and continuing projects, activities, or programs and any of their elements not previously considered under Section 106."

The following actions would require a "YES" being marked on the Checklist: Demolition of the facility, abandonment in-place, construction of an adjoining structure exterior to the building or structure, or transfer of the property to another entity. In addition, if maintenance is performed which will result in a change in the existing structural integrity, operational function, or visual integrity (including color) of the facility, a "YES" must be marked on the Checklist.

All maintenance activities which restore or maintain original functions and visual integrity are considered "routine maintenance" and can be answered by marking "NO" on the Checklist.

i. If installations or modifications to Industrial Wastewater (IWW) or Domestic Wastewater (DWW) system are expected, mark "YES" on the checklist and provide the following applicable project details:

- Complete description of the new system (unit, facility, lines, etc.) for the project's treatment plant/unit, collection/transmission line and/or liftstation. If applicable, include details of single service connection to existing sewer line or pretreatment facility or single gravity feed sewer line to existing collection system.
- Complete description of the modifications proposed, such as change in size, capacity, configuration or treatment for the project's treatment plant/unit, collection/transmission line and/or liftstation.
- Complete description of the septic tank/system, wastewater holding tank, or portalet/bathroom unit (excluding portalet/bathroom units used for construction sites).
- Complete description and/or map of location of project work (internal or external of facilities for DWW, include location and distance to nearest sewer connection, etc.).

j. If the project requires installation or modification to a potable water system, mark "YES" on the checklist and include the following detailed information:

- The diameter of the line to be installed (or modified).
- Type of meter to be installed or that no meter will be installed.
- Replacement of lines using the existing design (i.e., same size and/or location).
- · Location of project, interior or exterior of facilities.
- Distance of pipeline for a fire hydrant relocation.

k. If the project calls for any kind of land disturbance, soil addition/removal, excavation, digging, grading, impervious area additions or natural vegetation trimming or removal (excluding landscaped areas), please mark "YES" on the Checklist and provide the following applicable information:

- Area of impervious surface to be added.
- Detailed location maps of project area.
- Size of entire project area if over 5 acres.
- Amount of soil to be added or removed from location identified on detailed map
- Amount of natural vegetation to be removed or trimmed.
- Identify if land disturbance is within any ditch areas.

I. If construction dewatering is expected during the project, please mark "YES" on the Checklist and provide the following applicable information so it can be determined if a Consumptive Use Permit (CUP) is required:

- · Estimated daily maximum pumping volume.
- Estimated average daily pumping volume, if project is of long duration. Also identify timeframe of dewatering activities.
- Identify upland locations surrounding project area, which are proposed to , be used for discharge.

m. If new or modifications to exterior lighting is necessary, please mark "YES" and submit design details with the Checklist. In general, Low Pressure Sodium Lights (LPS) should be used if at all possible. New lights should be mounted at no more that 25 feet above the working surface. Shields must be placed on all lights including LPS. If existing lights are to be modified or refurbished, the same actions apply. The KSC Exterior Lighting Guidelines are developed to assist project management in complying with these lighting requirements. For a copy of this document, call the JJ-D Natural Resources Program Office at 867-2213, or it can be accessed on the EPO Home Page (www-jj.ksc.nasa.gov/jj-d/epo_main.html).

n. If the project is located on CCAS or other locations outside of KSC boundaries, mark "YES" and submit this form with appropriate maps associated with the project.

o. If any other issues are identified during the project analysis that could affect the environment, this block should be marked "YES" and the issues should be discussed in detail in the project description attached to the Checklist.

SECTION 3

This section is necessary for compliance with the NEPA regulations of having a NASA entity responsible for all NEPA reviews. The Environmental Coordinator for the responsible NASA directorate must sign this section and submit the Checklist and all attached information to the EPO for review.

This Checklist is to be used as a worksheet for all projects and activities to help identify any associated environmental issues.

Section 1. PROJECT TITLE	
PROJECT LEAD TELEPHONE NO.	ORG/MAIL CODE PROJECT NO.
ESTIMATED START DATE	ESTIMATED COMPLETION DATE

Section 2a.

Will any phase of the proposed project, process or activity (construction, installation, removal, activation or operation) involve any of the following (see instructions for guidance; IF IN DOUBT, MARK YES). If any of these items are marked YES, it is considered Categorically Excluded , but NOT necessary to submit the Checklist form and project information to the Environmental Program Office (EPO). However, the actions identified in the attached instructions must be completed and the Checklist form completed and kept on file

YES NO
a. Asbestos removal, abatement, or possible disruption of construction materials that may contain asbestos.
b. PCB-containing materials or equipment.
c. Use, storage, generation, and/or disposal of hazardous, potentially hazardous, or toxic materials.
d. Construction, modification or repair of aboveground or underground storage tanks.
e. Generation of ionizing or non-ionizing radiation or use of any radiation source (excluding microwave ovens).

Section 2b.

Will any phase of the proposed project, process or activity (construction, installation, removal, activation or operation) involve any of the following (see instructions for guidance; IF IN DOUBT, MARK YES). If any of these items are marked YES, you must complete the National Environmental Policy Act (NEPA) review by submitting the form and requested additional information to the appropriate NASA Environmental Coordinator. The signed Checklist must then be submitted to the (EPO):

YES NO
f. Discharge of any substance into the air either, directly (i.e., stack, vent, fuel powered generator, etc.) or indirectly (i.e., painting, sandblasting, etc.).
g. The use of Ozone Depleting Chemicals (ODC's) or Hazardous Air Pollutants (HAP's).
h. Any modification, other than routine maintenance, to any of the following: VAB, LCC, MLP's, Crawlerway, LC39A, LC39B, Press Site countdown clock/flagpole, CIF, HQ's, or O&C.
i. Generation of wastewaters or modification to system that handles or transports wastewaters.
j. Installation or modification of potable water systems.
k. Land disturbance, soil addition or removal, excavation, digging or grading, impervious area addition, or natural vegetation trimming or removal.
I. Construction dewatering.
m. Installation of new exterior lighting systems, or rehabilitation or modification of existing exterior lighting systems.
n. Is the project located on CCAS or other locations outside of KSC boundaries.
o. Other actions, which could produce environmental impacts.

If all are marked NO from Section 2b, this project is Categorically Excluded from further (NEPA) review. Submittal to Environmental Coordinator is not required.

Section 3. NASA ENVIRONMENTAL COORDINATOR CONCURRENCE:

I have reviewed the information contained herein, verified that it is accurate and complete and hereby submit it to the KSC Environmental Program Office for consideration.

Name:	Mail Code:	Phone:
Signature:	Date:	

PRELIMINARY ENVIRONMENTAL SURVEY FOR MARSHALL SPACE FLIGHT CENTER

1. PROJECT DESCRIPTION

- a. Project Title
- b. Date of Survey
- c. Contact Person
- d. Construction Start
- e. Activation Start
- f. Description of Proposed Action or Existing Activity (Attach NASA Form 1509 or equivalent and process flow diagram)
- g. Location of Proposed Action/Existing Activity:
- h. Type of Facility (Modification or expansion of existing, new construction, existing)
- i. Estimated Land area required:
- j. Estimated number of employees:

Construction:

Permanent:

k. Estimated cost of proposed activity:

_____Fund Source
_____Total cost
_____Construction Payroll
____Annual Operation Payroll

Estimated operating schedule:

Hours per day:

Days per week: Sat or Sun: Yes No Weeks per year: Back Shift Hours:

m. Anticipated Life of Project: Years

2. AIR (Does the activity:)

- Use fuel burning equipment? Yes No
- type amount
- (1) Boiler:
- Natural Gas or Other
- (2) Air Heating for Space:

Natural Gas

Propane Other

(3) Generator:

Gasoline

Diesel

Gas (Lox/H2)

Other

Store and/or consume any solid material? (coal, ash, and/or process reagents or chemicals)

Specify type and amount?

c. Store and/or use any gaseous, pressurized or liquid chemicals? (nitrogen, helium, hydrogen, oxygen, diesel fuel, gasoline, lubricating oil, waste oil, ethylene glycol, acids, caustics, chemical cleaners, solvents, paints, laboratory chemicals, photographic chemicals, oxidizers, pesticides/herbicides, hydraulic fluids, RP-1, hydrazine, carbon dioxide, acetylene, propane, butane, other)

Specify type and amount?

 d. Use CFC's, halons, methyl chloroform or carbon tetrachloride? (CFC-11, CFC-12, CFC-113, Halon 1211, Methyl chloroform)

Specify type and amount?

e. Produce any particulate emissions?

Specify type, amount and control?

f. Use any particulate emission control equipment? (Cyclone, water scrubber, venturi scrubber, electrostatic precipitator, baghouse, other)

Specify type and amount?

g. Produce any gaseous emissions? (Sulfur oxides, carbon monoxide, nitrogen oxides, volatile organic compounds, fluorine, chlorine, benzene, vinyl chloride, hydrogen sulfide, other)

Specify type and amount?

h. Use any gaseous emission control equipment? (Water scrubber, activated carbon bed, dry scrubber, other)

Specify type and amount?

 Use any onsite disposal systems? (Solid waste incinerator, liquid waste incinerator, waste fuel recovery burner, gaseous flare, other)

Specify type and amount?

j. Involve the removal of asbestos containing material?

Specify type and amount?

k. Involve sand blasting or media blasting of any structure or vessel?

Specify type and amount?

- I. Does the facility include a basement? (radon survey)
- m. Contain any Laboratory type fume hoods?
- n. Involve any spray paint booths?
- 3. WATER (Does the activity:)
- a. Use existing sanitary sewage treatment?

Specify type and amount?

 Require new sewage treatment processes? (Biological (examples: septic tank, package plant), chemical/physical (examples: precipitation, filtration, ion exchange, activate carbon), other)

Specify type and amount?

 Require water for process operation other than for drinking water and/or sanitation?

Specify type and amount?

d. Use non-contact or contact cooling water?

Specify type and amount?

e. Require additional withdrawal of surface or ground water? Will withdrawal wells, borings, bedrock probes, etc. be conducted that penetrate the bedrock structure during planning, construction or operation of the facility?

Specify type and amount?

 f. Discharge process waste water? (sources other than non-contact cooling water or sanitary sewage)

Specify type and amount?

g. Use water transportation?

Specify type and amount?

h. Involve steam cleaning or water blasting of any structure or vessel?

Specify type and amount?

i. Will process area storm water runoff be controlled by diversion, storage, and controlled release or other method?

Specify type and amount?

j. Require a location adjacent or near a stormwater drainage ditch?

4. LAND/WETLANDS

- a. Will any land area proposed for use require clearing, site grading, excavation, dredging, filling, and/or construction of docks, piers, or dolphins?
- b. Is the proposed land use consistent with MSFC's Master Plan?
- Will any part of the facilities and/or support be located in or adjacent to flood plains, wetlands, or waterbeds? (Consult Environmental Resources Document)

5. RADIOACTIVE MATERIALS AND NON IONIZING RADIATION

 a. Will the operational activities use or introduce any new sources of ionizing or non ionizing radiation? (Uses for ionizing radiation are for analysis, calibration and nondestructive testing (radon, radio nuclides), non ionizing sources such as microwave radiation)

Specify type and amount?

6. NOISE AND VIBRATION

 a. Will the proposed action or existing activity create noise and/or vibration? (engine testing, test article testing, etc.)

Specify type, amount, and decibel level?

TRANSPORTATION AND UTILITY CORRIDORS (will the proposed action require:)

a. New roads and/or utility service lines?

Specify type and amount?

b. Any extensions and/or modifications to MSFC's existing utility systems? c. Any modifications to stormwater drainage ditches?

SOLID AND HAZARDOUS WASTE (will proposed action or does the activity:)

a. Use or store chemicals at the facility?

Specify type, amount and controls?

b. Generate any solid or liquid wastes?

If yes, any know hazardous waste? (spent solvents, reaction products, unused or expired reagents, acids, bases, test sample wastes, equipment cleaning wastes, spent blast material (paints), rinse water and containers from herbicide/pesticide use, paint wastes, ignitable wastes, vehicle maintenance wastes, photographic wastes, other)

Specify type and amount?

nonhazardous waste? (metals, glass, wood, paper, plastic, waste (used) oil, other)

Specify type and amount?

Any unusual amount of nonhazardous waste or used oil?

c. Involve treatment, storage, and/or disposal operations? (treatment of a hazardous waste means any process designed to change the physical, chemical, or biological character or composition of a hazardous waste to neutralize it, recover energy or material resources from it, render it less hazardous or non hazardous, safer to handle, or amenable to recovery, storage, or reduction in volume)

Specify type and amount?

d. Use any chemical recycling equipment?

Specify type and amount?

e. Have maintenance area at the location?

Specify type and amount?

 f. Will any potentially lead containing surfaces be disturbed? (solder pipes, paint)

Specify type and amount?

g. Will diking or other containment structure be required?

Specify type and amount?

9. TOXIC SUBSTANCES

a. Will the proposed action involve the use of PCB-containing equipment, asbestos containing material or will existing asbestos containing materials be disturbed?

Specify type and amount?

b. Will the subsoil and surrounding grounds receive termite treatment?

Specify type and amount?

- c. Use hexavalent chromium chemicals in comfort cooling towers?
- d. Use halogenated dibenzodioxins/dibenzofurans as contaminants in certain specified manufactured and processed chemical substances.

10. PROPELLANTS AND EXPLOSIVES (will proposed activity or existing activity:)

a. Use any propellants or explosives?

Specify type and amount?

- b. Generate waste propellant or waste explosives?
 - Specify type and amount?
- c. Use any solid fuel grains? (hybrid motors)

Specify type and amount?

11. HISTORICAL AND CULTURAL FACTORS

- a. Will a historical site be affected by construction of the facility or modification to an existing facility? (Building 4665/Redstone Historic Test Site, Building 4705/Shop and Neutral Buoyancy Simulator, Building 4550/Structural Test Facility (Dynamic), Building 4572/Propulsion and Structural Test Facility (S4B))
- b. Will any other potential historical site be affected? (cemeteries, bunkers)
- Will any cultural area be affected? (parks, physical fitness center, day care center)

12. REMARKS/ADDITIONAL INFORMATION

NAME OF PERSON COMPLETING THIS FORM: TELEPHONE NUMBER: OFFICE:

ENVIRONMENTAL ANALYSIS CHECKLIST (EVAL CHECKLIST)

PURPOSE

TO PROVIDE A DECISIONMAKING TOOL FOR MANAGERS INITIATING A PROJECT.

APPLICABILITY

- •ALL PROPOSED PROJECTS AND PROGRAMS WITH THE POTENTIAL TO SIGNIFICANTLY IMPACT THE ENVIRONMENT.
- ALL ACTIVITIES INCLUDING CONSTRUCTION, REPAIR, REHABILITATION, MODIFICATION, ACQUISITION OF EQUIPMENT, DESIGN AND PLANNING RELATED TO FUTURE FACILITIES NEEDS.

TIMING

TO BE CARRIED OUT FROM THE EARLIEST OF PLANNING STUDIES FOR THE ACTION IN QUESTION.

REVIEW

THIS CHECKLIST AND SUPPORTING DOCUMEN OFFICER, THEN THE ENVIRONMENTAL COMPLI		W BY THE FACILITIES PRESERVATION
PROJECT NAME:		_
TECHNICAL PROJECT ENGINEER	DATE	
PART A		
A "YES" ANSWER TO ANY OF THE FOLLOWING I BE PREPARED. IF THE ANSWER IS <u>UNCERTAIN</u>		
YES NO UNCERTAIN		
ANY ACTION AFFECTING AREAS	S OF HISTORICAL OR CUL	ΓURAL
CONCURRENCE OF FACILITY PRESERVATION OF	OFFICER:	
SIGNATURE	_DATE	
ANY CONSTRUCTION OR OTHER	R ACTIVITY IN A FLOODPL	AIN OR WETLAND.
ANY ACTION WHICH COULD OR	WILL AFFECT ANY THREA	TENED OR ENDANGERED SPECIES.
ANY ENVIRONMENTAL EFFECT INCOME COMMUNITIES, INCLU		

PART B

A "YES" ANSWER TO ANY ONE OF THE FOLLOWING ITEMS INDICATES THE NEED TO PREPARE SUPPORTING DOCUMENTATION. IF AN ANSWER IS $\underline{\text{UNCERTAIN}}$, PLEASE ATTACH AN EXPLANATION.

THIS DOCUMENTATION SHOULD BE A BRIEF DESCRIPTION OF THE PROPOSED SPECIFIC ACTION. IT SHOULD BE SUBMITTED WITH THIS CHECKLIST. ANY PLANNED MEASURES TO PREVENT POLLUTION SHOULD BE DOCUMENTED AND SUBMITTED WITH THIS FORM.

DO THE PROPOSED ACTIONS, CONSTRUCTION, OR FACILITY OPERATION INCLUDE OR INVOLVE:

YES NO UNCERTAIN

 DISCHARGE OF ANY SUBSTANCES INTO THE AIR, SURFACE OR GROUNDWATER, SANITARY SEWER, OR SOILS.
 REMOVAL OF VEGETATION OR DESTRUCTION OF WILDLIFE HABITAT OR GRADING ACTIVITIES.

_	ACQUISITION, USE, GENERATION, STORAGE, OR DISPOSAL OF ANY TOXIC OR HAZARDOUS SUBSTANCES.
_	GENERATION OF HAZARDOUS, TOXIC, OR RADIOLOGICAL WASTES.
_	GENERATION OF DEMOLITION DEBRIS OR EXCAVATED SOIL.
	GENERATION OF IONIZING OR NONIONIZING RADIATION.
	GENERATION OF HIGH NOISE LEVELS (ABOVE 80dBA).
	USE OF PESTICIDES, INCLUDING INSECTICIDES, HERBICIDES, FUNGICIDES, AND RODENTICIDES.
	CONSTRUCTION OR MODIFICATION OF A SEWAGE COLLECTION, TRANSMISSION SYSTEM, OR TREATMENT PLANT.
	DISTURBANCE OF ASBESTOS CONTAINING MATERIALS OR FACILITIES.
_	DISTURBANCE OF PCB CONTAMINATED MATERIALS OR EQUIPMENT.
	INSTALLATION OR REACTIVATION OF ABOVEGROUND OR UNDERGROUND STORAGE TANKS.
=	A SIGNIFICANT IMPACT ON LOCAL SOCIAL OR ECONOMIC CONDITIONS.
	A SIGNIFICANT IMPACT ON LOCAL UTILITIES OR TRANSPORTATION
	TOC Preface Chp1 Chp2 Chp3 Chp4 Chp5 Chp6 Chp7 Chp8 Chp9 Chp10 Chp11 Chp12 Chp13 AppdxA AppdxB AppdxC AppdxD AppdxE AppdxF AppdxG AppdxH AppdxI AppdxI AppdxJ AppdxL ALL
	NODIS Library Program Management(8000s) Search

DISTRIBUTION: NODIS

NPR 8580.1 -- TOC

This Document Is Uncontrolled When Printed.
Check the NASA Online Directives Information System (NODIS) Library to Verify that this is the correct version before use: http://nodis3.gsfc.nasa.gov